

CLAIMS

What is claimed is:

1. An image reading apparatus comprising:
a scanning member for scanning an image;
a first motor for feeding a document such that the scanning member scans an image of the document;
a second motor for moving the scanning member from a home position to a document scanning position;
a motor driving unit for selectively driving the first and second motors; and
a control unit for selecting one of the first and second motors such that the motor driving unit drives the selected motor.
2. The image reading apparatus according to claim 1 further including a relay for sending an output signal of the motor driving unit to one of the first and second motors, and wherein the control unit switches the relay to select the one of first and second motors.
3. The image reading apparatus according to claim 2, wherein the control unit outputs a control signal and current value data to the motor driving unit in accordance with the selected motor.
4. The image reading apparatus according to claim 3, wherein each of the first and second motors is a stepper motor.
5. The image reading apparatus according to claim 1, wherein the scanning member is a carriage of a flat bed scanner.

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6. An image recording apparatus comprising:

a recording unit for recording an image on a recording sheet;

a plurality of paper cassettes for accommodating predetermined recording sheets;

a plurality of motors associated with the plurality of paper cassettes respectively for feeding the recording sheets to the recording unit from the plurality of paper cassettes;

a single motor driving unit for selectively driving the plurality of motors; and

a control unit for selecting one of the plurality of motors such that the single motor driving unit drives the selected motor.

7. The image recording apparatus according to claim 6 further including a relay for sending an output signal of the motor driving unit to one of the plurality of motors, and wherein the control unit switches the relay to select the one of the plurality of motors.

8. The image recording apparatus according to claim 7, wherein the control unit outputs a control signal and current value data to the motor driving unit in accordance with the selected motor.

9. The image recording apparatus according to claim 8, wherein each of the plurality of motors is a stepper motor.

10. The image recording apparatus according to claim 6, wherein each of the plurality of motors drives a pick-up roller for picking up the recording sheets from an associated paper cassette.

11. An image forming apparatus comprising:
an image scanning device including a scanning member for scanning an image, a first motor for feeding a document such that the scanning member scans an image of the document, a second motor for moving the scanning member from a home position to a document scanning position, a motor driving unit for selectively driving the first and second motors, and a control unit for selecting one of the first and second motors such that the motor driving unit drives the selected motor; and

an image recording device.

12. The image forming apparatus according to claim 11 further including a first relay for sending an output signal of the motor driving unit to one of the first and second motors, and wherein the control unit switches the first relay to select the one of the first and second motors.

13. The image forming apparatus according to claim 12, wherein the control unit outputs a control signal and current value data to the motor driving unit in accordance with the selected motor.

14. The image forming apparatus according to claim 13, wherein each of the first and second motors is a stepper motor.

15. The image forming apparatus according to claim 11, wherein the scanning member is a carriage of a flat bed scanner.

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16. An image forming apparatus comprising:
an image scanning device for scanning an image; and
an image recording device including a recording unit for recording an image
on a recording sheet, a plurality of paper cassettes for accommodating
predetermined recording sheets respectively, a plurality of motors associated with
the plurality of paper cassettes for feeding the recording sheets to the recording unit
from the plurality of paper cassettes, a single motor driving unit for driving the
plurality of motors, and a control unit for selecting one of the plurality of motors
such that the motor driving unit drives the selected motor.

17. The image forming apparatus according to claim 16 further including a
relay for sending an output signal of the motor driving unit to one of the plurality of
motors, and wherein the control unit switches the relay to select the one of the
plurality of motors.

18. The image forming apparatus according to claim 17, wherein the control
unit outputs a control signal and current value data to the motor driving unit in
accordance with the selected motor.

19. The image forming apparatus according to claim 18, wherein each of the
plurality of motors is a stepper motor.

20. The image forming apparatus according to claim 16, wherein each of the
plurality of motors drives a pick-up roller to pick up the recording sheets from an
associated paper cassette.